

Application No.: 09/915,260

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APPENDIX A
(Clean Copy of the Abstract)

ABSTRACT OF THE DISCLOSURE

An induction motor which converts electrical energy into mechanical energy, provides useful mechanical work. The induction motor includes closely spaced electrical coils fixed on the vehicle structure which straddles a segmented core block that can be used as part of a driving device, wheel system, or brake system of a transportation vehicle in a human powered apparatus, thus reducing the weight of the vehicle and increasing mileage per "re-fueling" or "re-charging".